

105777-683860

Fig. 1A

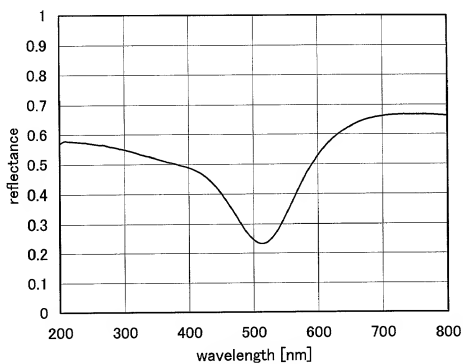
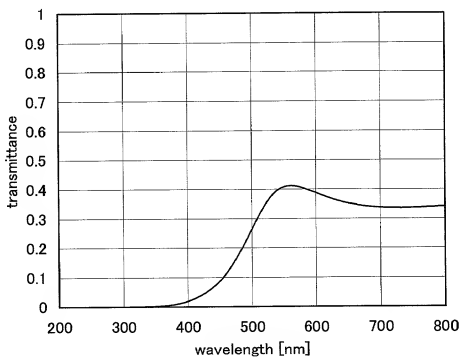


Fig. 1B



09988389.11901
T06TTT.68E8860

Fig. 2A

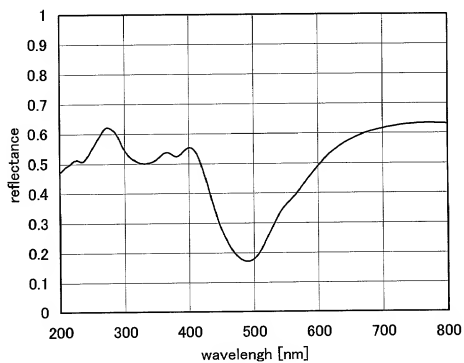


Fig. 2B

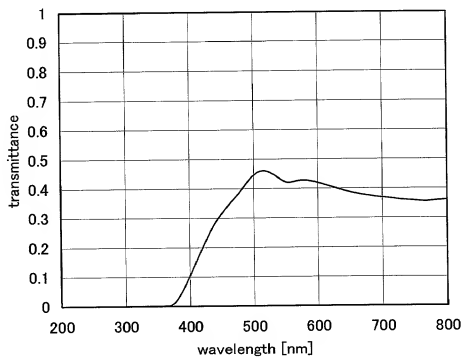


Fig. 3A

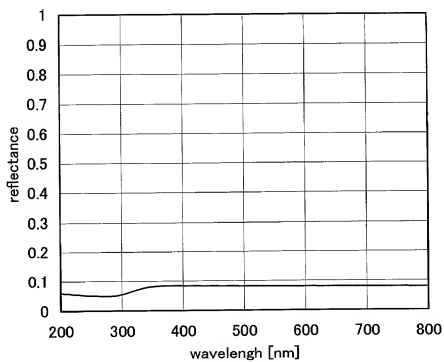
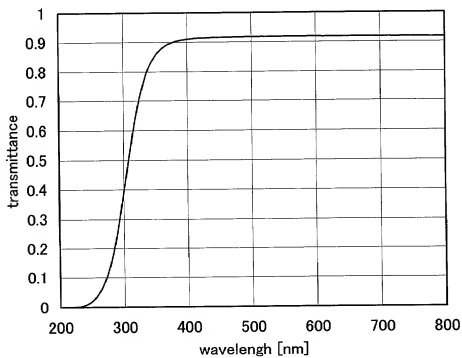


Fig. 3B



0988383.11107

Fig. 4A

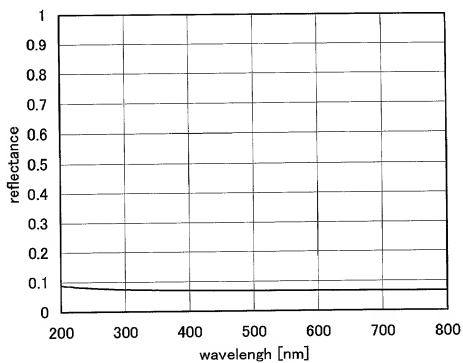


Fig. 4B

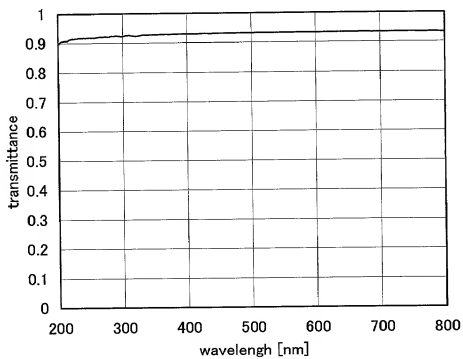


Figure 1 is a line graph showing the reflectance spectra of various materials. The y-axis represents reflectance, ranging from 0 to 1.0 in increments of 0.2. The x-axis represents wavelength in nanometers (nm), ranging from 300 to 800 nm in increments of 100 nm. The materials plotted are Al, WN, W, Ta, Cr, and TaN. Al shows the highest reflectance, starting around 0.75 at 300 nm and peaking near 0.9. WN and W have reflectance values between 0.5 and 0.6. Cr and TaN have lower reflectance, starting around 0.3 and increasing towards 0.5 at 800 nm. Ta has a reflectance around 0.4-0.5. The curves for Cr and TaN are very similar, while the curves for WN and W are also very close to each other.

Fig. 5

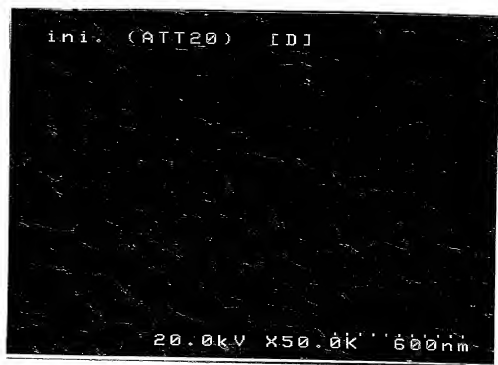


Fig. 6

Fig. 7A

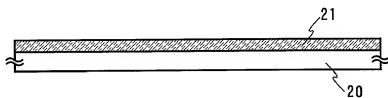


Fig. 7B

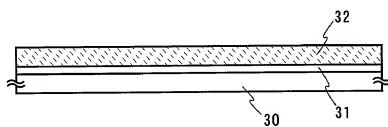


Fig. 8A

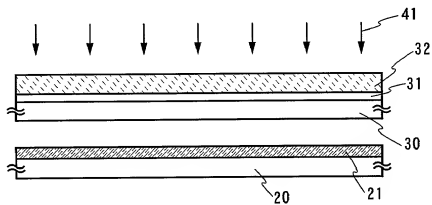


Fig. 8B

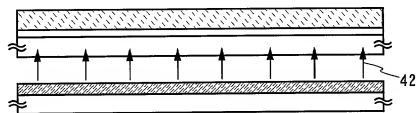


Fig. 9



Fig. 10



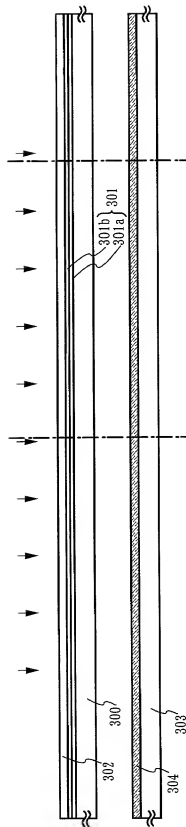


Fig. 11A

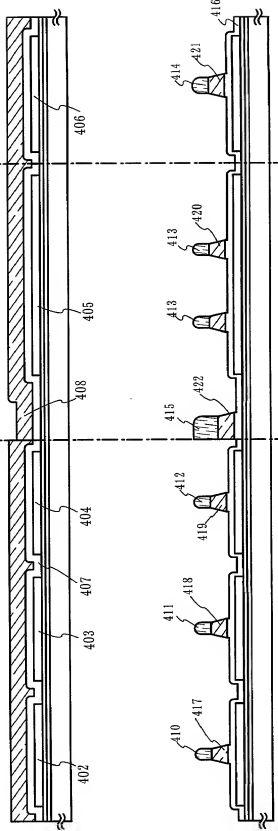


Fig. 11B

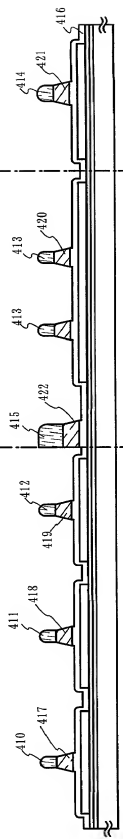
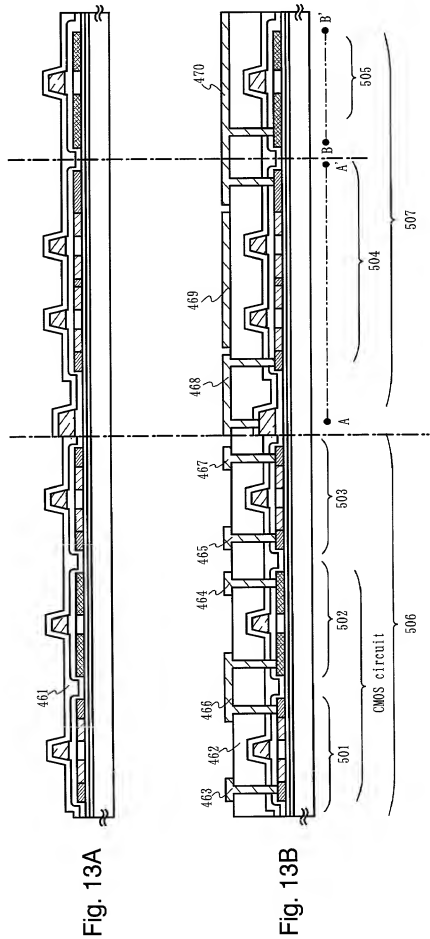


Fig. 11C

FIG. 10 is a cross-sectional view of a multi-layered structure. It features a central core layer (445c) flanked by side layers (445a and 445b). The core layer (445c) is shown with a hatched pattern. The side layers (445a and 445b) are also hatched but have a different pattern. The structure is bounded by outer layers (446a and 446b) and a top layer (447a). A bottom layer (447b) is also indicated. Arrows point to various interfaces and layers.

Fig. 12C



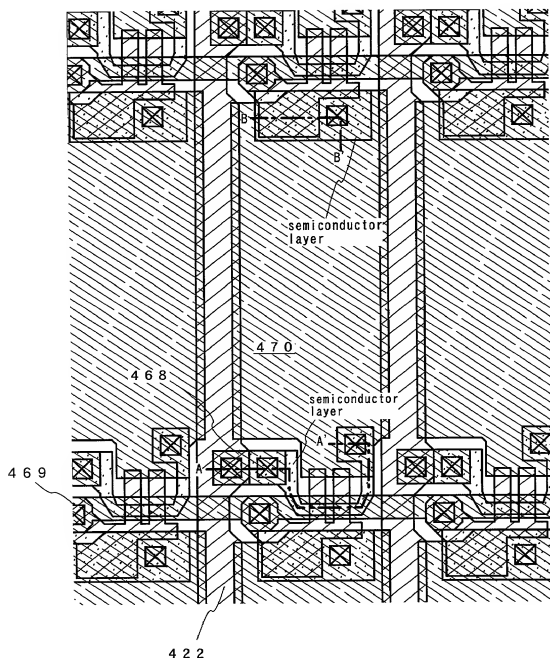


Fig. 14

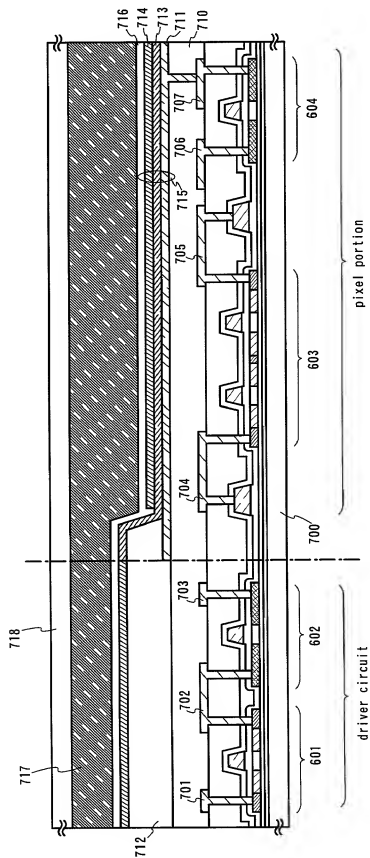


Fig. 15

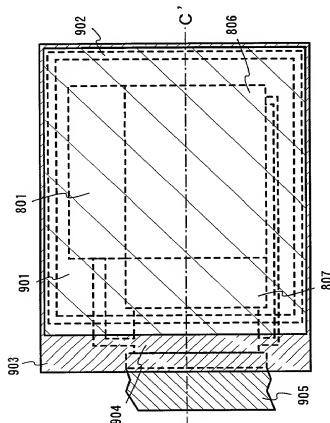


Fig. 16A

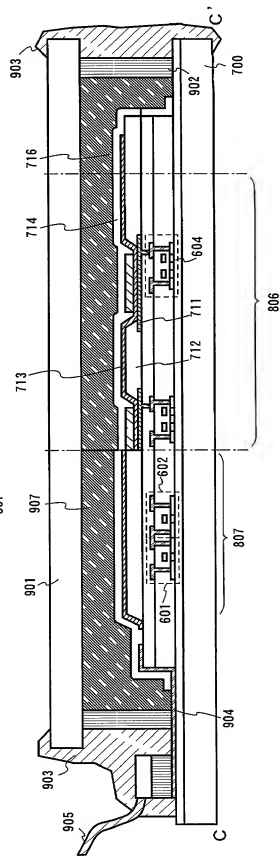


Fig. 16B

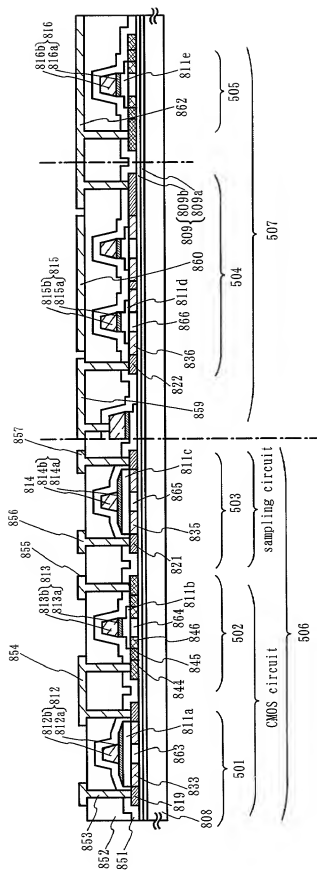


Fig. 17

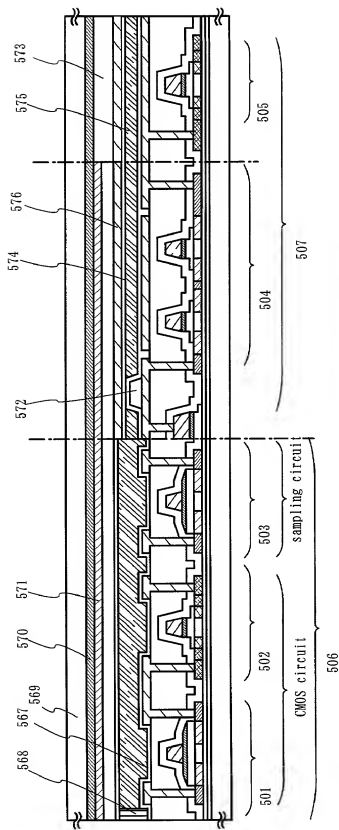


Fig. 18

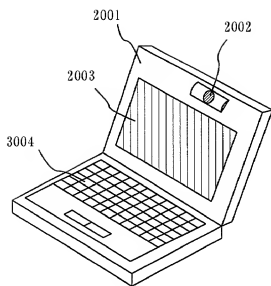


Fig. 19A

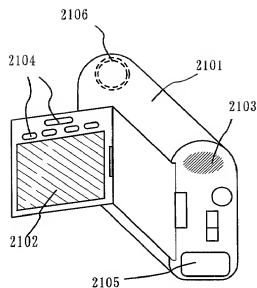


Fig. 19B

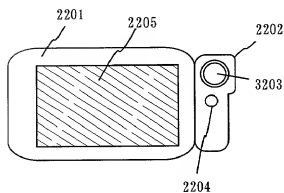


Fig. 19C

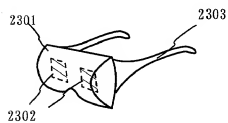


Fig. 19D

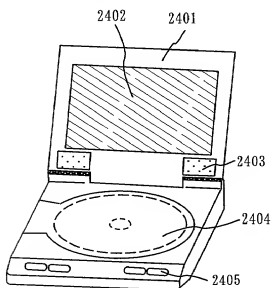


Fig. 19E

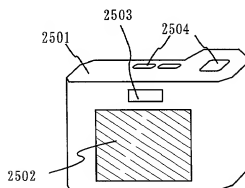


Fig. 19F

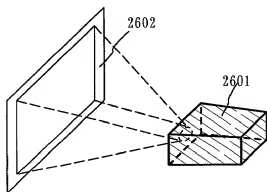


Fig. 20A

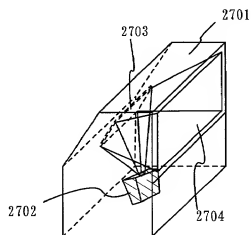


Fig. 20B

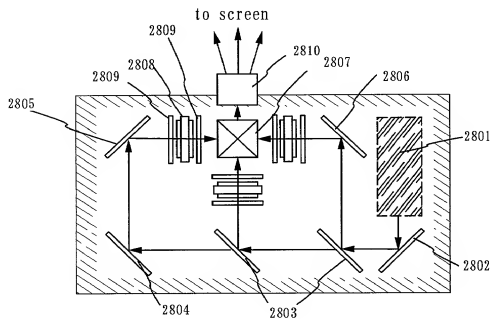


Fig. 20C

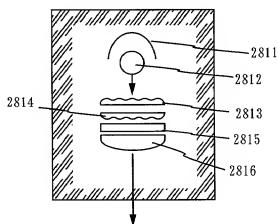


Fig. 20D

Fig. 21A

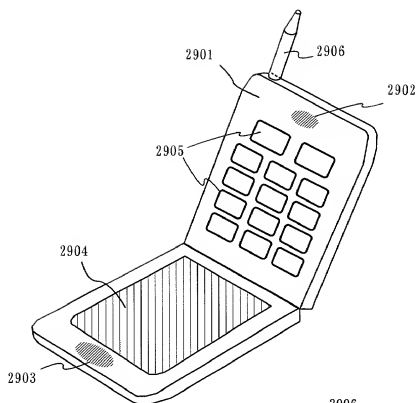


Fig. 21B

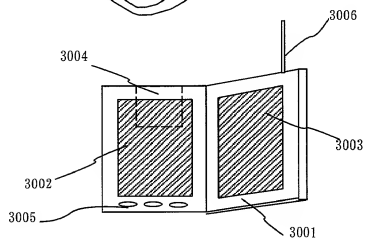


Fig. 21C

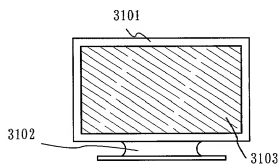


Fig. 22A



Fig. 22B

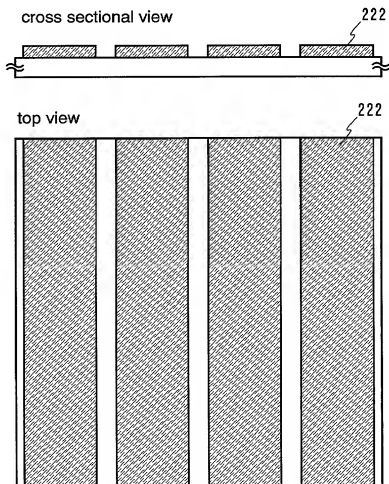


Fig. 23

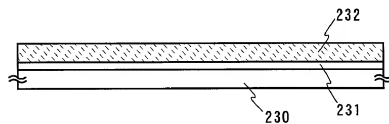


Fig. 24A

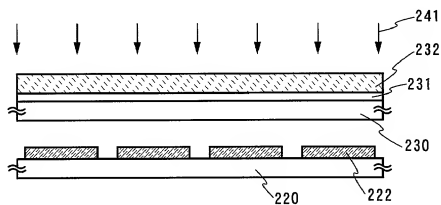


Fig. 24B

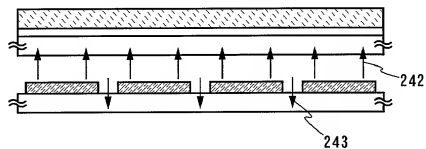


Fig. 24C

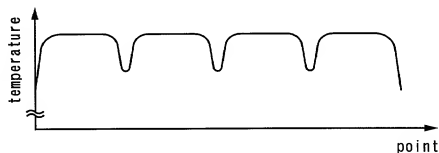


Fig. 24D

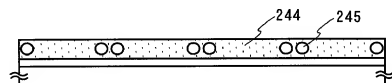
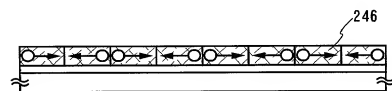


Fig. 24E



09988389.111901



Fig. 25

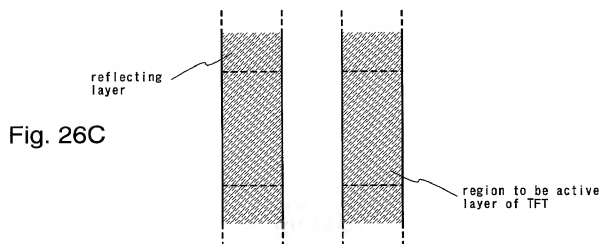
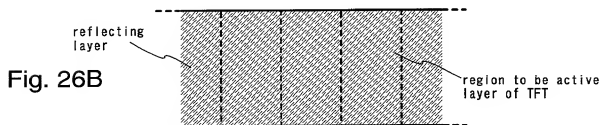
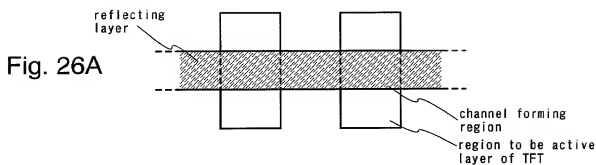


Fig. 27A

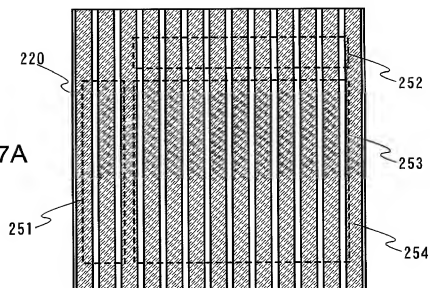


Fig. 27B

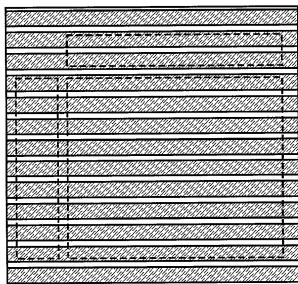
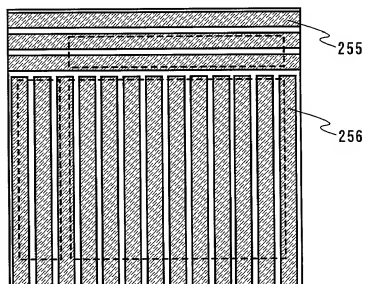


Fig. 27C



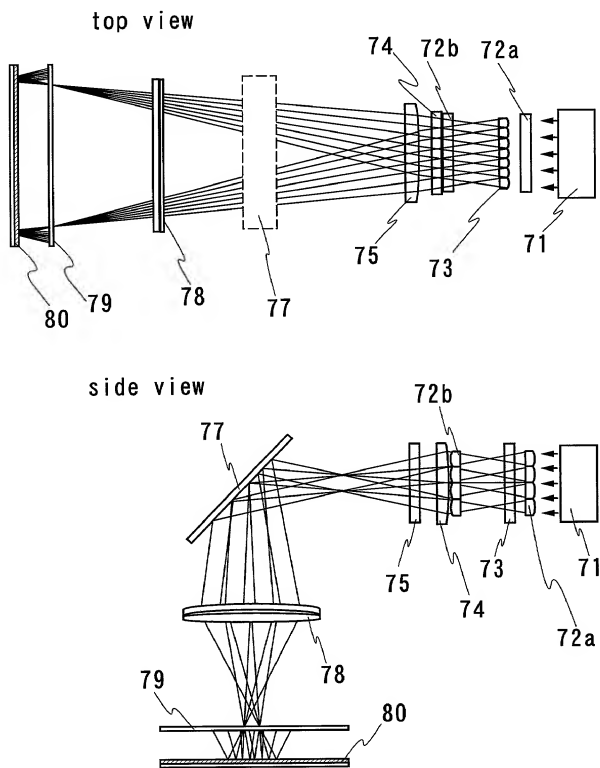


Fig. 28